

Title (en)

GUIDE VANE SEGMENT FOR A TURBOMACHINE COMPRESSOR

Title (de)

LEITSCHAUFELSEGMENT FÜR EINEN VERDICHTER EINER TURBOMASCHINE

Title (fr)

SECTEUR ANGULAIRE DE REDRESSEUR POUR COMPRESSEUR DE TURBOMACHINE

Publication

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Application

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Abstract (en)

[origin: WO2011157957A1] The present invention relates to an angular stator sector (18) for a turbomachine compressor, comprising an outer shroud (24) and an inner shroud (22), and at least one vane (26) extending radially between said shrouds (22, 24) and connected thereto by the radial ends thereof. At one of its axial ends, the outer shroud (24) has a cavity (42) opening onto said axial end and extending between an inner radial tongue (36) of the outer shroud (24), to which the outer radial end of the vane (26) is connected, and an outer radial tongue (38) of the outer shroud (24) bearing means (46) for mounting the angular stator sector (18) on a casing (20) of the turbomachine. A stop-forming add-on element (607) is housed in the cavity (42), said stop-forming add-on element (607) being able to limit the radial movements of the inner radial tongue by means of contact and thus to modify the vibrational behaviour of said inner radial tongue (36).

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